

ASAMM-Beaufort – Flight 15 – 20 August 2013

Area flown: Blocks 1 & 2, 8 complete transects; block 4, 2 complete transects, 4 partial transects; block 6, 2 complete transects; block 10, 2 complete transects.

Total hours flown: 9.2 (2 flights)

Total transect hours: 5.7

Number of bowheads seen: 95 (2 calves)

Weather and visibility: Skies were overcast. Sea state ranged from Beaufort 3-5. Visibility ranged from 0 to 10 km, with low ceilings; low ceilings prevented completion of eastern transects. There was 0-1% broken floe sea ice in the area surveyed.

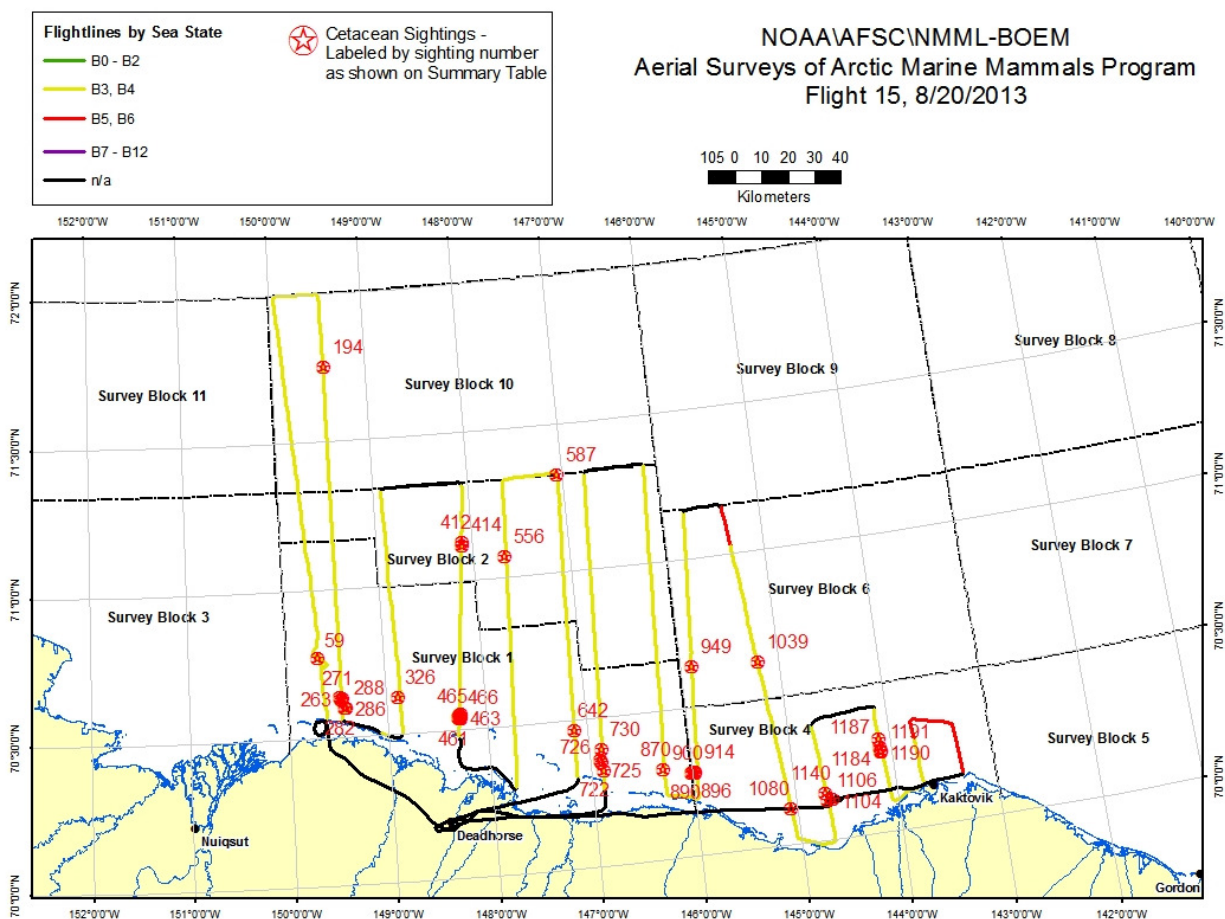
Sightings: Bowhead whales, belugas (including one calf), one unidentified cetacean, one polar bear, bearded seals, and small unidentified pinnipeds. Most of the bowhead whales (72%) were feeding or milling. One whale was observed playing with a log. The polar bear was on a barrier island west of Prudhoe Bay.

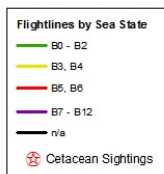
Preliminary Summary, Flight 15 Date: 8/20/2013

Total bowhead whales: 95	Start time: 8/20/2013 9:55:42 AM	End time: 8/20/2013 8:00:09 PM
Bowhead whale sightings: 34	Transect minutes: 344	Transect km: 1325.8
Bowhead whales on transect: 66	Circling minutes: 51	Circling km: 141.8
Bowhead whale cow-calf pairs: 2	Trans+Circ minutes: 395	Trans+Circ km: 1467.6
Bowhead whale cow-calf pairs on transect: 1	Search minutes: 28	Search km: 107.9
Bowhead whale repeats: 0	Total minutes: 549	Total km: 2168.8
Possible repeats: 0	Deadhead minutes: 126	Deadhead km: 593.3
Total gray whales: 0	Search blocks: 10, 0, 1, 2, 4, 6	
Total belugas: 7	Transect blocks: 1, 2, 10, 4, 6	
Other whale sightings: 1		
Total walrus: 0		
Total polar bears: 1		

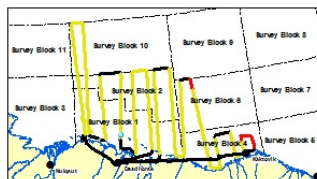
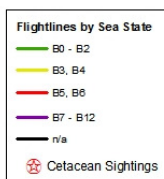
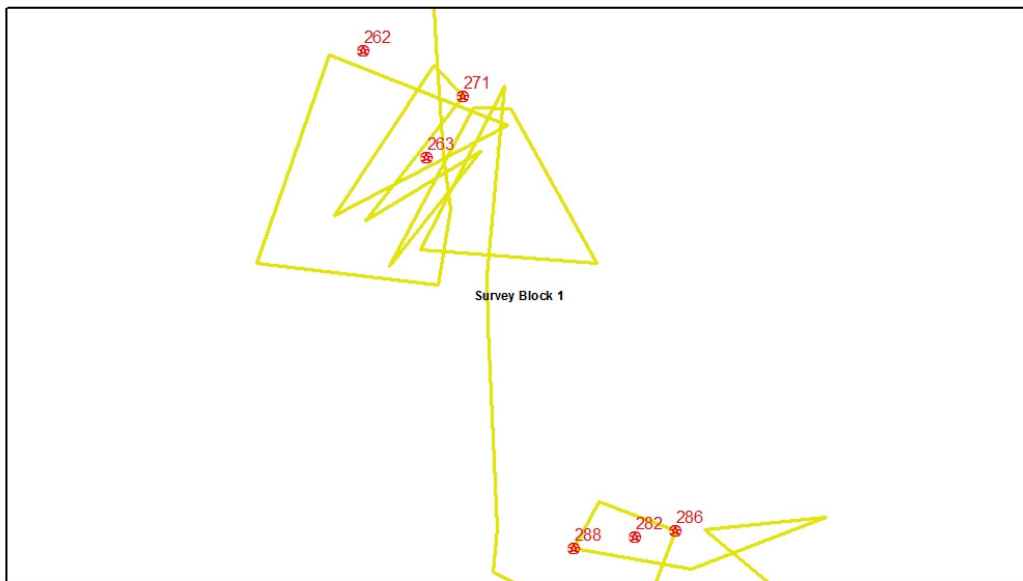
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
59	70.77	-149.65	1	unid cetacean	1	0	swim	267	True
194	71.75	-149.45	10	beluga	1	0	swim	209	True
262	70.64	-149.45	1	bowhead whale	2	0	swim	271	True
263	70.63	-149.45	1	bowhead whale	1	0	log play	267	True
271	70.63	-149.45	1	bowhead whale	2	0	swim	-1	False
282	70.6	-149.44	1	bowhead whale	1	0	rest	189	True
286	70.6	-149.41	1	bowhead whale	1	0	swim	-1	False
288	70.6	-149.43	1	bowhead whale	1	0	swim	-1	False
326	70.62	-148.86	1	bowhead whale	1	0	swim	272	True
412	71.13	-148.12	2	beluga	1	0	swim	338	True
414	71.12	-148.12	2	beluga	1	0	swim	1	True
453	70.55	-148.27	1	bowhead whale	1	0	swim	241	True
455	70.54	-148.27	1	bowhead whale	2	0	swim	-1	True
456	70.54	-148.27	1	bowhead whale	1	0	mill	-1	True
461	70.54	-148.28	1	bowhead whale	8	0	mill	-1	False
463	70.56	-148.26	1	bowhead whale	1	0	mill	-1	False
465	70.55	-148.25	1	bowhead whale	5	0	mill	-1	False
466	70.54	-148.28	1	bowhead whale	2	0	mill	-1	False
556	71.07	-147.66	2	beluga	2	1	swim	271	True
587	71.33	-147.05	2	beluga	1	0	swim	-1	False
642	70.47	-147.13	1	beluga	1	0	swim	301	True
722	70.32	-146.88	1	bowhead whale	2	0	mill	-1	True
725	70.35	-146.87	1	bowhead whale	1	0	rest	-1	True
726	70.36	-146.87	1	bowhead whale	1	0	swim	156	True
730	70.39	-146.87	1	bowhead whale	1	0	swim	115	True
870	70.3	-146.27	1	bowhead whale	2	0	mill	-1	True
890	70.28	-145.95	4	bowhead whale	7	1	feed	272	True
896	70.28	-146	4	bowhead whale	1	0	swim	-1	False

900	70.28	-146.01	1	bowhead whale	2	1	swim	-1	False
902	70.28	-145.97	4	bowhead whale	2	0	swim	-1	False
914	70.28	-145.97	4	bowhead whale	3	0	mill	-1	False
949	70.64	-145.88	6	bowhead whale	1	0	swim	352	False
1039	70.63	-145.22	6	bowhead whale	2	0	swim	83	True
1080	70.12	-145.06	4	bowhead whale	1	0	swim	263	True
1104	70.13	-144.69	4	bowhead whale	14	0	feed	-1	True
1106	70.13	-144.69	4	bowhead whale	20	0	feed	-1	True
1140	70.16	-144.7	4	bowhead whale	2	0	swim	112	True
1184	70.31	-144.1	4	bowhead whale	1	0	swim	237	True
1187	70.29	-144.1	4	bowhead whale	1	0	mill	-1	True
1190	70.27	-144.09	4	bowhead whale	1	0	mill	-1	True
1191	70.27	-144.09	4	bowhead whale	1	0	mill	-1	True

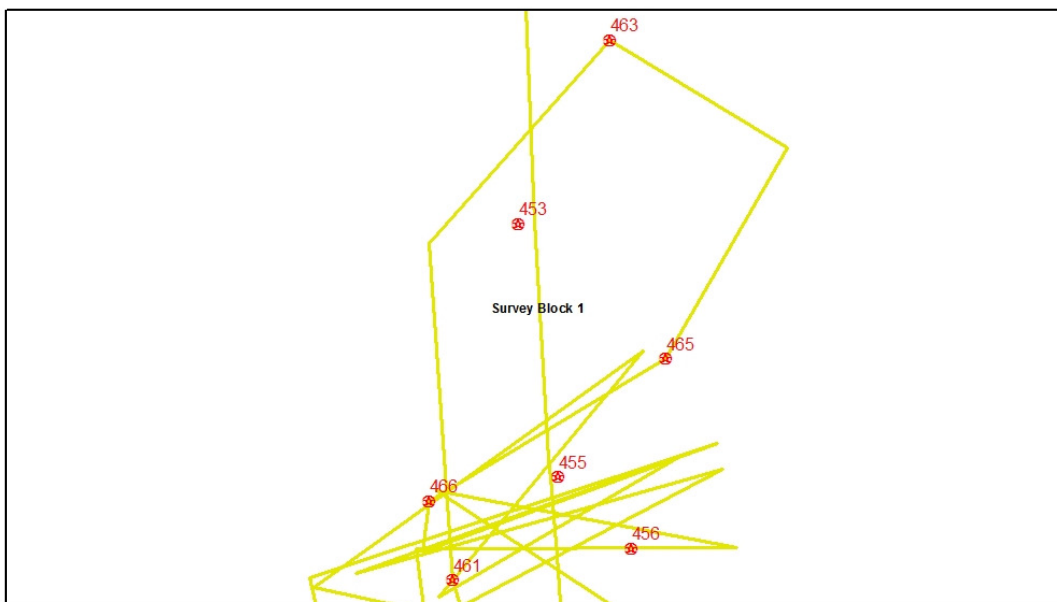
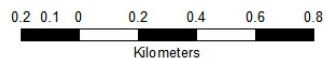


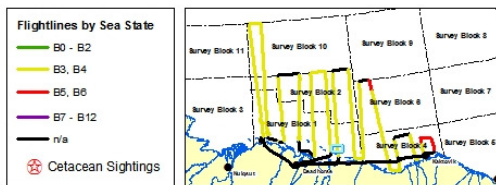


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Aerial Surveys of Arctic Marine Mammals Program
Flight 15, High Density Cluster 1, 8/20/2013

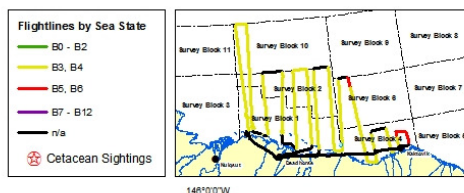
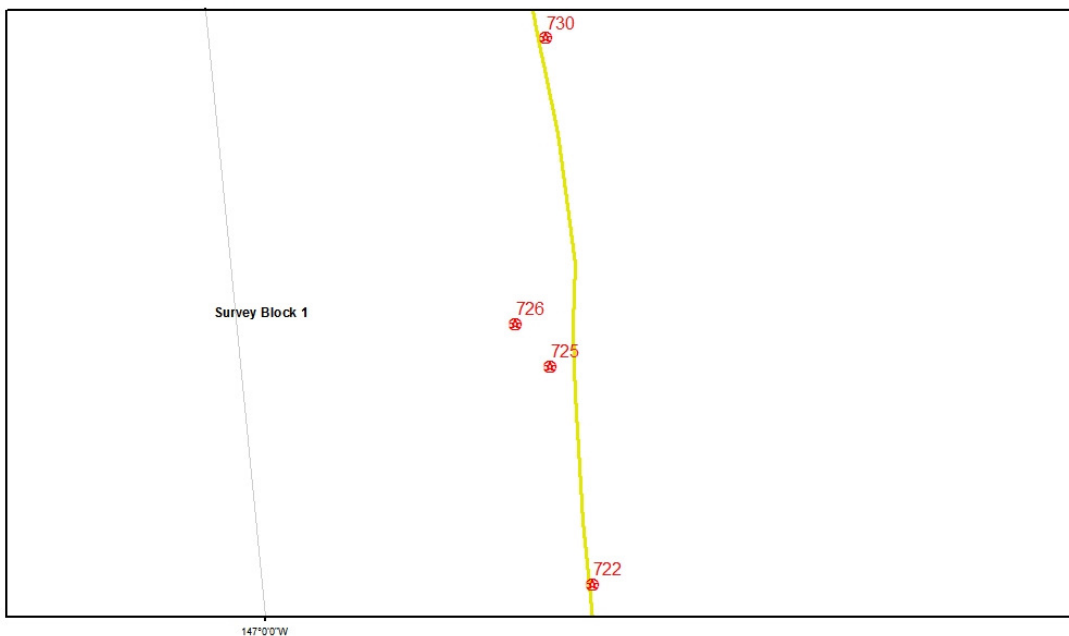
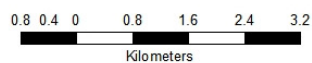


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Flight 15, High Density Cluster 2, 8/20/2013

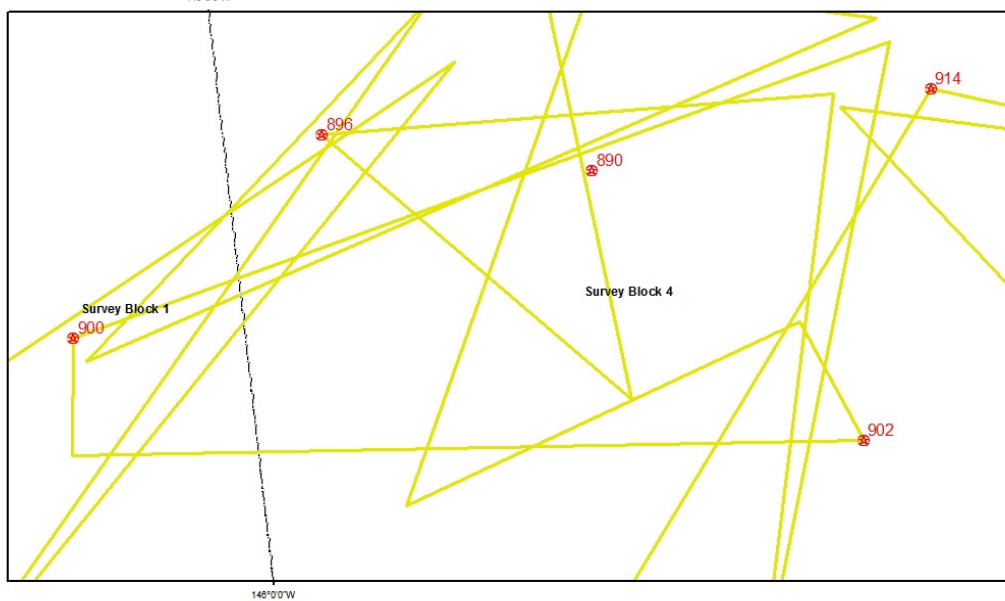
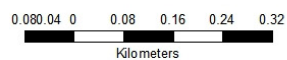


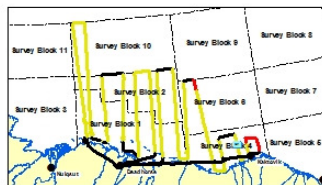
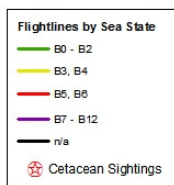


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Flight 15, High Density Cluster 3, 8/20/2013

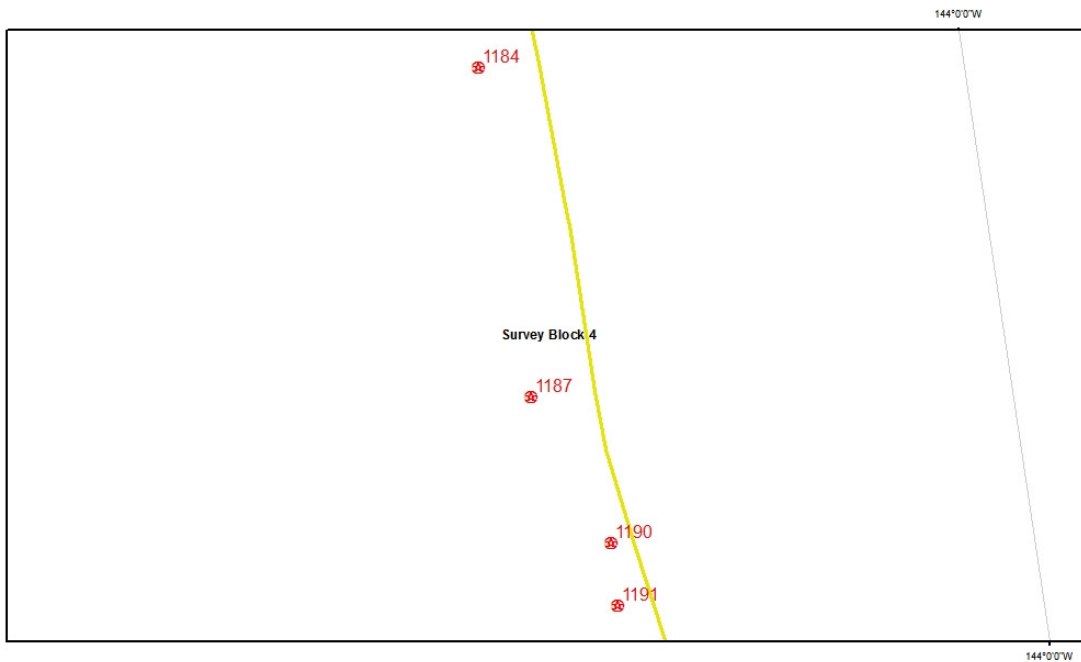
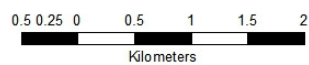


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Flight 15, High Density Cluster 4, 8/20/2013





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Flight 15, High Density Cluster 5, 8/20/2013



Bowhead whale with log in the western Beaufort Sea (event 263), ASAMM-Beaufort Flight 15, 20 August 2013.



Six bowhead whales in echelon feeding formation in the western Beaufort Sea (event 890), ASAMM-Beaufort Flight 15, 20 August 2013.



Two bowhead whales feeding in the western Beaufort Sea (event 1106), ASAMM-Beaufort Flight 15, 20 August 2013. The “track” of a third whale is also visible.